In the Claims

Amend the following claims:

	1	1. (Amended) A positioner for moving an E-block and a data transducer of a disk drive
y /	2	relative to a storage disk, the E-block having a longitudinal axis, the positioner comprising:
	3	a magnet assembly producing a magnetic field; and
	4	a coil array that couples to the E-block and is positioned near the magnet assembly, the
	5	coil array being a generally D-shaped loop including a first segment that is positioned
	6	substantially perpendicular to the longitudinal axis of the E-block, the first segment being
	7	adapted to interact with the magnetic field to move the E-block relative to the storage disk.

13. (Amended) A head stack assembly for moving a data transducer of a disk drive relative to a target track of a storage disk, the head stack assembly comprising:

an E-block having a longitudinal axis;

a transducer assembly secured to the E-block, the transducer assembly including a data transducer;

a positioner including (i) a magnet assembly producing a magnetic field, (ii) a coil array secured to the E-block and positioned near the magnet assembly, the coil array being a generally D-shaped loop including a first segment positioned substantially perpendicular to the longitudinal axis, the first segment including (i) a first portion, and (ii) a second portion; and

a control system that directs current to the coil array to move the data transducer relative to the target track.

20. (Amended) A method for retrieving data from a target track on a rotating storage disk of a disk drive, the method comprising the steps of:

providing an E-block with a longitudinal axis;

securing a transducer assembly to the E-block, the transducer assembly including a data transducer;

providing a magnet assembly producing a magnetic field;

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7	coupling a coil array to the E-block with the coil array being positioned near the magnet
8	assembly, the coil array being a generally D-shaped loop including (i) a first portion; and (ii) a
9	second portion, the first and second portions being perpendicular to the longitudinal axis, the first
10	and second portions being positioned symmetrically about the longitudinal axis; and
11	directing current to the coil array to move the data transducer relative to the target track.
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$\chi_1^{\mathcal{D}}$	21. (Amended) The method of claim 20 wherein directing current to the coil array
\ _	in the directing government to the first portion and the second portion to generate a first force and a

21. (Amended) The method of claim 20 wherein directing current to the coil array includes directing current to the first portion and the second portion to generate a first force and a second force, respectively, wherein the first force is substantially equal in magnitude and opposite in direction to the second force.

Add the following claims:

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- 23. A positioner for moving a data transducer relative to a storage disk in a disk drive, the positioner comprising:
 - a magnetic assembly including an upper magnetic array and a lower magnetic array; and a coil array between the magnetic arrays, wherein the coil array is a generally D-shaped loop.
 - 24. The positioner of claim 23 wherein the coil array includes a first segment and a second segment, the first segment is substantially linear and the second segment forms an arc.
- 25. The positioner of claim 24 wherein the first segment is substantially perpendicular to a longitudinal axis of a head stack assembly that includes the data transducer.
- 26. The positioner of claim 25 wherein the second segment forms an arc that is centered at a pivot center of the head stack assembly.
- 27. The positioner of claim 25 wherein the first and second segments are positioned symmetrically about the longitudinal axis.

- The positioner of claim 25 wherein the first segment includes a first portion, a second portion and a center portion therebetween, the first and second portions are positioned between the magnetic arrays, and the center portion is not positioned between the magnetic arrays.
 - 29. The positioner of claim 23 wherein the magnetic arrays each include an inner side, an outer side, and a pair of side wings therebetween, the inner side faces towards the data transducer and forms an arc, and the outer side faces away from the data transducer.

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- 30. The positioner of claim 29 wherein the inner side forms an arc that is centered at a pivot center for the data transducer.
 - 31. The positioner of claim 29 wherein the inner and outer sides are curved with reverse concavity relative to one another.
 - 32. The positioner of claim 29 wherein the coil array includes first and second segments and a pair of corners therebetween, and the corners are disposed on opposites sides of a longitudinal axis of a head stack assembly that includes the data transducer.
- 1 33. The positioner of claim 32 wherein the corners are substantially aligned with the wings in a direction perpendicular to the longitudinal axis.
 - 34. The positioner of claim 32 wherein the corners are not substantially aligned with the wings in a direction parallel to the longitudinal axis.
 - 35. The positioner of claim 23 wherein the magnetic arrays extend a first distance parallel to a longitudinal axis of a head stack assembly that includes the data transducer, the coil array extends a second distance parallel to the longitudinal axis, and the first distance is greater than the second distance.

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- 1 36. The positioner of claim 23 wherein the magnetic arrays extend a first distance 2 perpendicular to a longitudinal axis of a head stack assembly that includes the data transducer, 3 the coil array extends a second distance perpendicular to the longitudinal axis, and the first and 4 second distances are essentially identical.
 - the positioner comprising:

 a magnetic assembly including an upper magnetic array and a lower magnetic array;
 a coil array between the magnetic arrays, wherein the coil array is a generally D-shaped loop of wire wrapped into a plurality of turns that includes a first segment and a second segment, the first segment is substantially linear and the second segment forms an arc; and a control system that electrically excites the coil array to interact with a magnetic field of the magnetic assembly.

A positioner for moving a data transducer relative to a storage disk in a disk drive,

- 38. The positioner of claim 37 wherein the first segment includes a first portion, a second portion and a center portion therebetween, the first and second portions are positioned between the magnetic arrays, and the center portion is not positioned between the magnetic arrays.
- 39. The positioner of claim 37 wherein the magnetic arrays extend a first distance parallel to a longitudinal axis of a head stack assembly that includes the data transducer, the coil array extends a second distance parallel to the longitudinal axis, and the first distance is greater than the second distance.
- 40. The positioner of claim 37 wherein the magnetic arrays extend a first distance perpendicular to a longitudinal axis of a head stack assembly that includes the data transducer, the coil array extends a second distance perpendicular to the longitudinal axis, and the first and second distances are essentially identical.